

# GD25DT

Specifically designed for milk powder, protein powder, food additives and various dry powders. A fully automated packaging equipment that integrates high precision, high cleanliness, and high intelligence.



## Core Advantages

### Full Servo Drive

Key mechanisms utilize high-precision servo motors, with independently programmable position and speed for fast response and precise control.

### High-Precision Weighing + Dust Removal

Servo-driven screw filling with optional secondary material replenishment; fully enclosed structure compatible with centralized dust removal for clean and environmentally friendly operation.

### Dual Degassing System

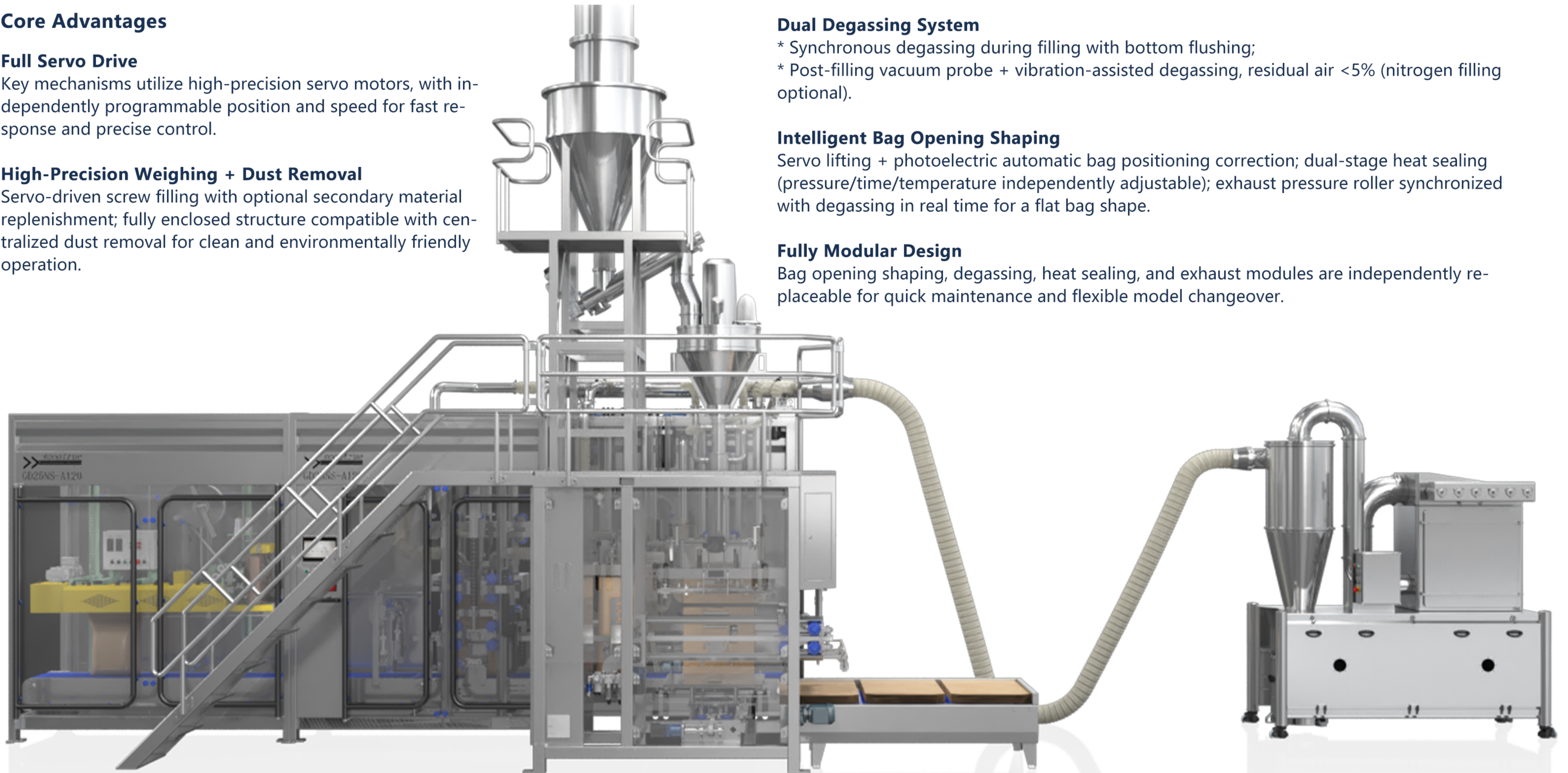
- \* Synchronous degassing during filling with bottom flushing;
- \* Post-filling vacuum probe + vibration-assisted degassing, residual air <5% (nitrogen filling optional).

### Intelligent Bag Opening Shaping

Servo lifting + photoelectric automatic bag positioning correction; dual-stage heat sealing (pressure/time/temperature independently adjustable); exhaust pressure roller synchronized with degassing in real time for a flat bag shape.

### Fully Modular Design

Bag opening shaping, degassing, heat sealing, and exhaust modules are independently replaceable for quick maintenance and flexible model changeover.



# GD25DT

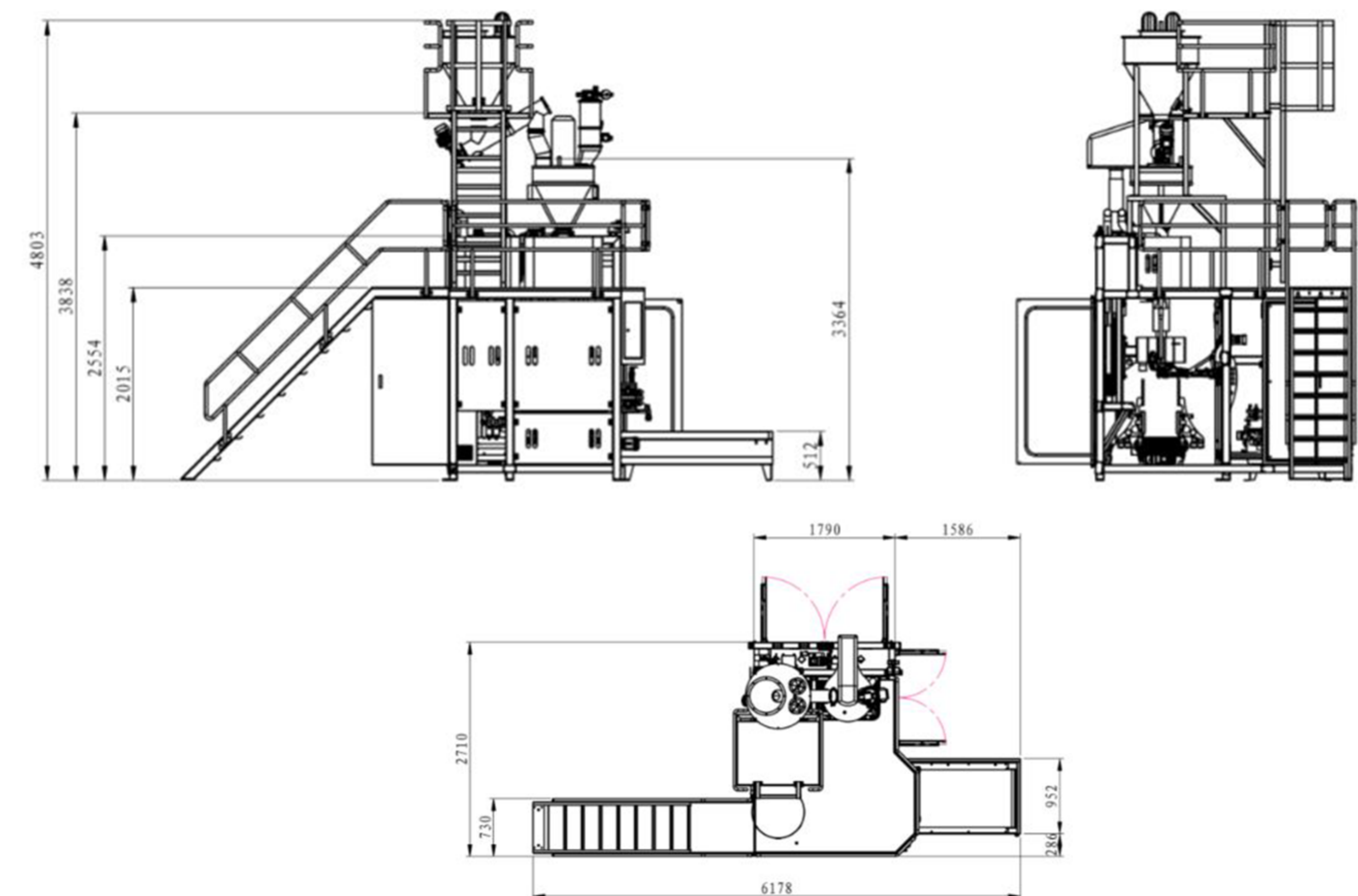
Designed for various dry powder products



## Various sealing methods



## Equipment Dimensions



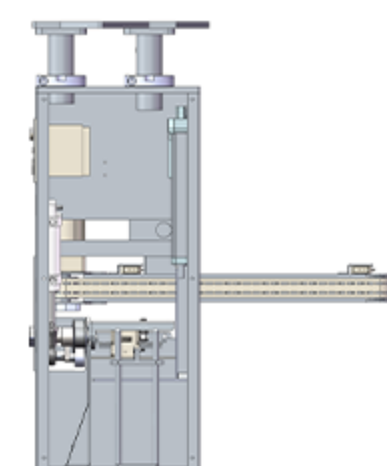
## Specifications

Model: GD25DT	Voltage: AC220/380V 50HZ
Maximum Speed:120 bags/hour	Total Power: 30KW
Weighing Range:5-25kg	Compressed Air: 0.6-0.8Mpa
Packaging Accuracy:0.2%	Air Consumption: 20 m <sup>3</sup> /h
Bag Size:L800-950mm W500-600mm	Ambient Temperature: -5°C~40°C
Bag Material:Kraft paper bags, Aluminum foil bags, Woven bags	Ambient Humidity: 45%-55%
with PE lining, PE bags	Bag Capacity: 150-200 bags (depending on bag thickness, capacity can be customized)

# Options

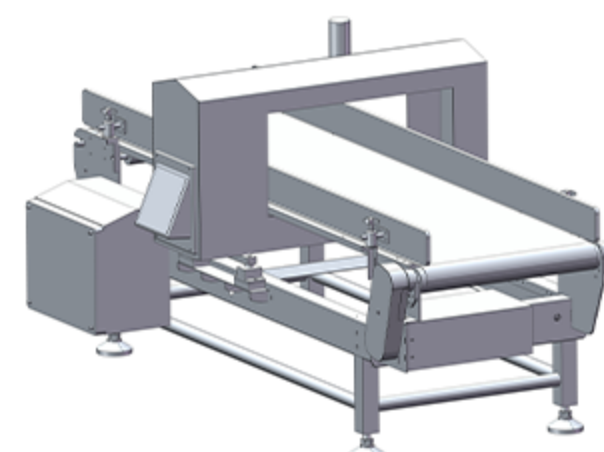
## Label Sewing Machine

Sew the label into the bag seam.



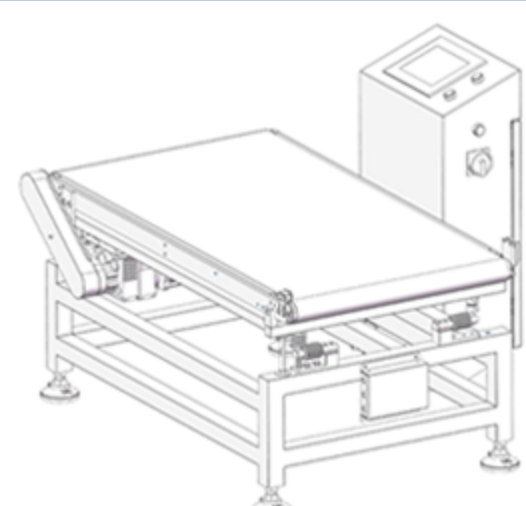
## Metal Detection

Check if there is any metal in the full bag. If there is metal, it will be fed back to the rejection conveyor and removed.



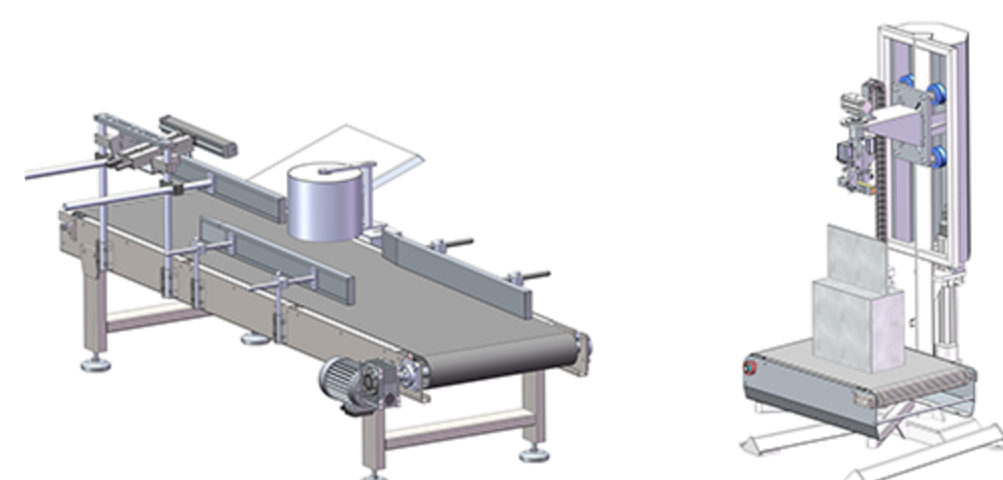
## Weight Checker

Check the full bag weight. If the accuracy is insufficient, it will be fed back to the rejection conveyor and removed.



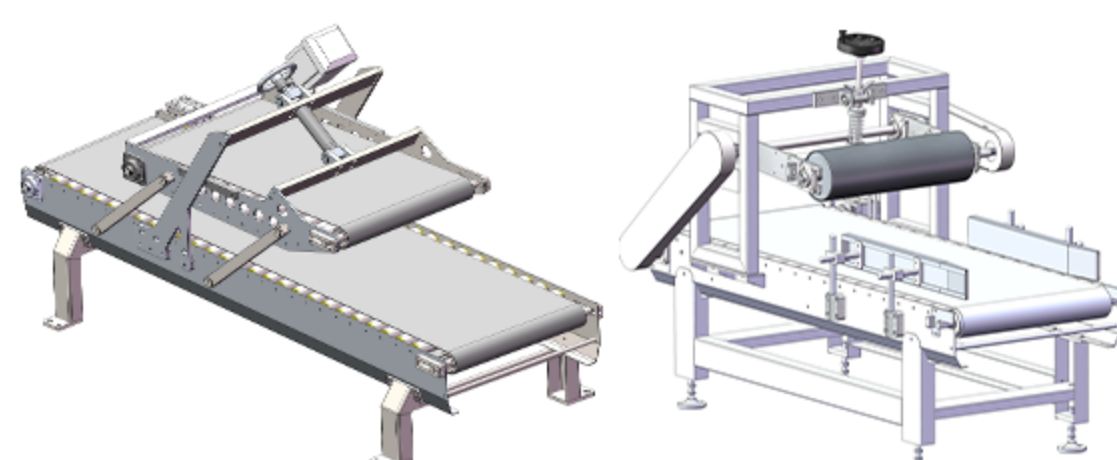
## Laying Down Conveyor

Lay the bag down for the packaging line later.



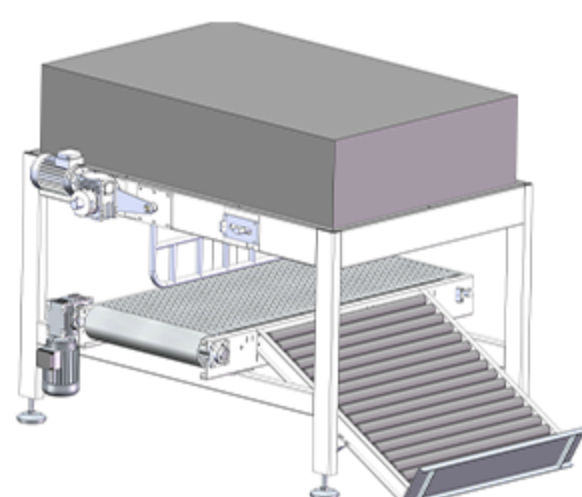
## Flattening Conveyor

Compact and exhaust to solve the problems of bag swelling and palletizing.



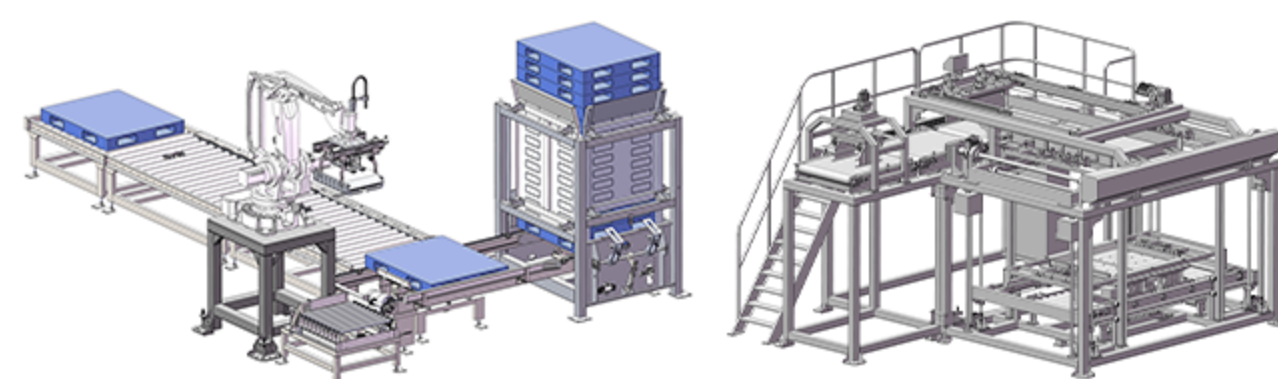
## Reject Conveyor

The weight checker/metal detector sends a signal to promptly send the substandard packages to the side-inclined un-powered roller conveyor.



## Palletizing System

Select the palletizing form as needed! Select the corresponding palletizing scheme according to different packaging speeds.



# Screw feeder

## Core advantage

### Low dust:

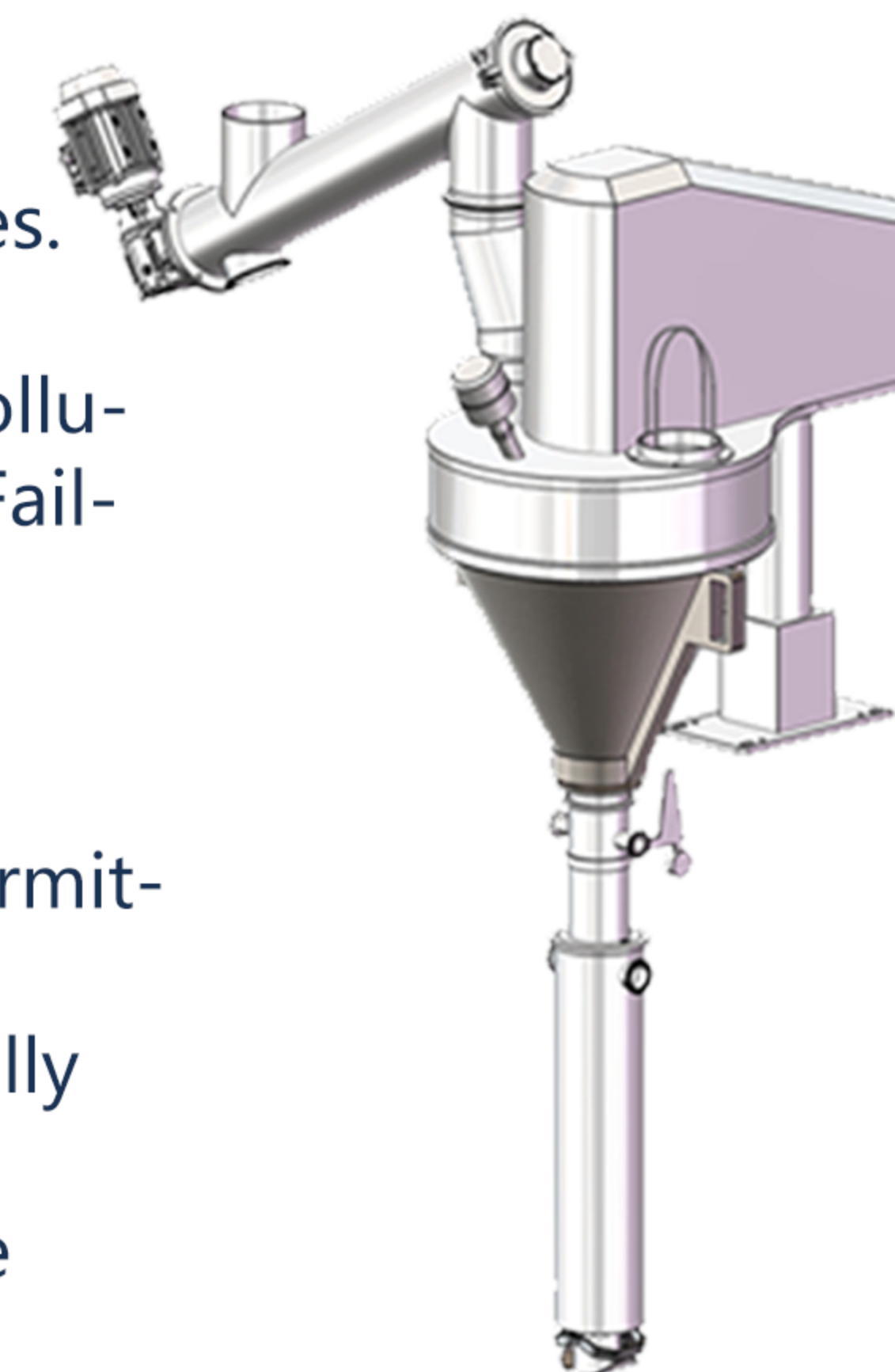
Dust emission rate < 0.1%

### Flexible production change:

Switching recipes takes less than 5 minutes.

### Stable and reliable:

Fully enclosed to prevent moisture and pollution, with an MTBF (Mean Time Between Failures) of over 5,000 hours.



Screw Feeder

## Key indicators

**Accuracy:**  $\pm 0.2\%$  -  $0.3\%$ , continuous/ intermittent spiral filling

**Degassing efficiency:** > 95%. Automatically discharges gas during spiral descent.

**Dust removal efficiency:** > 99%, negative pressure for dust collection

**Data monitoring:** Real-time recording of weight/velocity/abnormalities, with support for remote export.

## Specifications

Name: Screw Feeding and Measuring

Air source: 0.4 - 0.6 MPa

Weighing range: 25kg

Ambient Temperature: -5 to 40°C,

Display division: 5g

90% R.H without condensation

Weighing accuracy:  $\pm 25g$

I/O interface: 8 input lines, low

Weighing speed: 120 bags/h

level valid, 8 output lines, low level

Measuring hopper volume: 50L

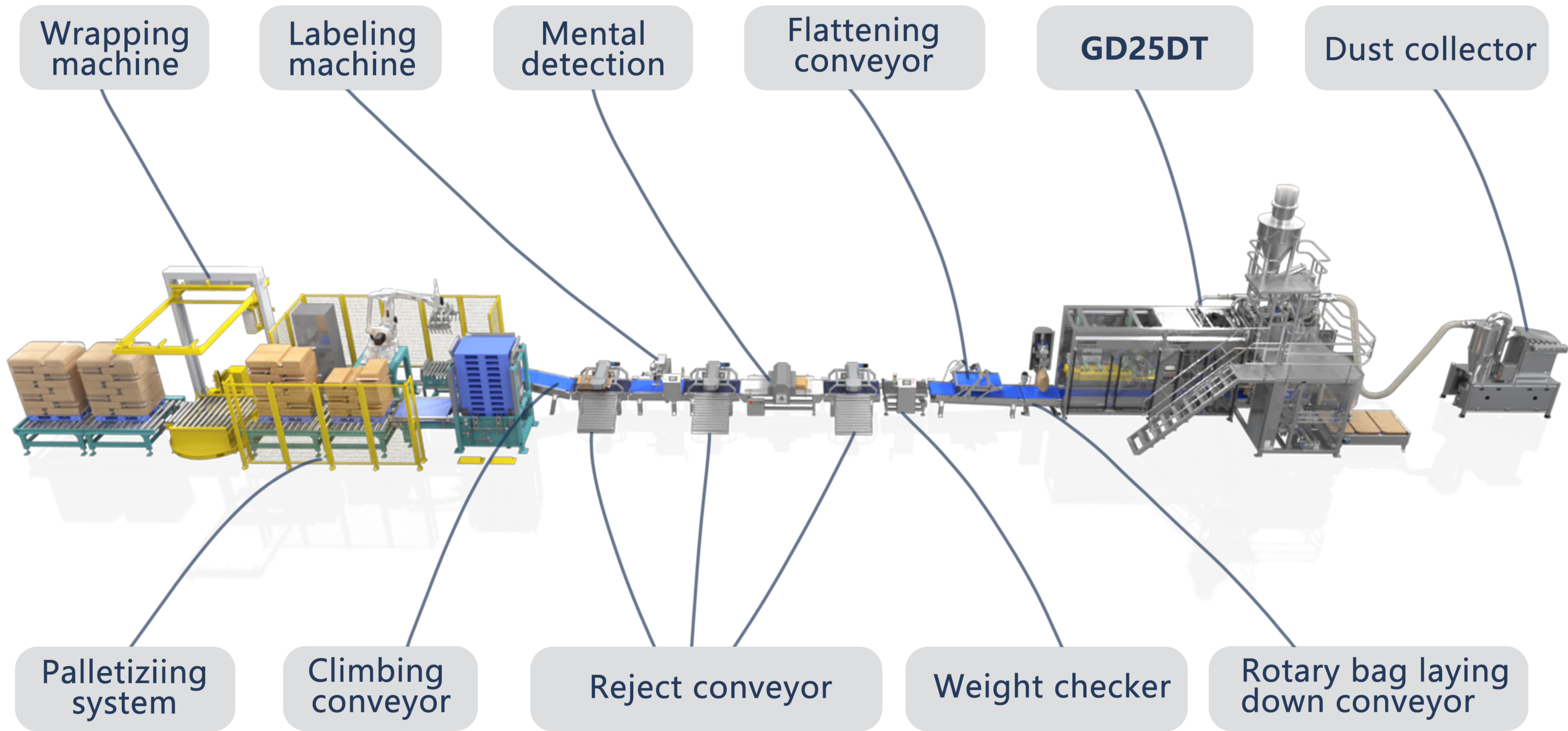
Communication: RS485, network port

Unit material: 316L / 304 ss / carbon steel

Modbus TCP/IP

Voltage: 3-phase AC 380-420V 50/60Hz 8kw

# GD25DT Packaging line



# SOONTRUE

## Leading Packaging Solutions

**Soontrue** was founded in 1993 and became an benchmark in 1998. We operate four major factories in Shanghai, Foshan, Zhejiang, and Chengdu, covering a total area of 173,000 square meters.

Trusted by 20,000+ companies worldwide for reliable, high-performance automated packaging systems and tailored services.

Serving food, feed, pharma, chemicals, and new energy industries.

We deliver smarter packaging that drives efficiency up and costs down.

With a strong focus on customer satisfaction and long-term partnerships, **Soontrue** Systems and Automation remains committed to delivering customized solutions that address the unique needs of each customer.

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## Customer Service

Continuous customer service will either be covered directly by **Soontrue** or will occur via partners in the vicinity.

Customer Service's top priority is that customers are helped and feel they are well taken care of. This is why a promise is made to the customer when the partnership begins: **Soontrue** Customer Service will be part of the customer's team. This promise is lived, showing every customer every day that **Soontrue** Customer Service is part of their team.

### An overview of all services & what makes them special

Customers worldwide trust **Soontrue** and the Customer Service Centers. China is the central contact point, but what if the customer is located in South America, North America or South Africa, for example?

The many partners around the world mean that there is always a contact partner near our customers. The expansion of the Customer Service Center will ensure that customers receive optimal care and quickly.

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